STATE OF UTAH DEPARTMENT OF SOCIAL SERVICES DIVISION OF HEALTH

1978

WASTEWATER DISPOSAL REGULATIONS

PART II
STANDARDS OF QUALITY FOR WATERS OF THE STATE

Adopted By
Utah Water Pollution Control Board May 18, 1965
Utah State Board of Health May 19, 1965

Revised by Action of the Boards June 2, 1967 and June 21, 1967

Further Revised by Action of the Utah Water Pollution Committee November 18, 1968 and September 13, 1978, and by Action of the Utah State Board of Health November 20, 1968 and October 23, 1978

Under Authority of 26-15-4 & 5 and 73-14-1 through 13 Utah Code Annotated 1953, as Amended

Certified Official Copy Utah State Division of Health

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Director of Health

1968/

INTRODUCTION

This is Part II of five parts comprising "Wastewater Disposal Regulations" of the Utah State Division of Health.

The entire set consists of the following:

PART I - DEFINITIONS AND GENERAL REQUIREMENTS

PART II - STANDARDS OF QUALITY FOR WATERS OF THE STATE

PART III - SEWERS AND WASTEWATER TREATMENT WORKS

PART IV - INDIVIDUAL WASTEWATER DISPOSAL SYSTEMS

PART V - SMALL UNDERGROUND WASTEWATER DISPOSAL SYSTEMS

All have been adopted by both the Utah Water Pollution Committee and the Utah State Board of Health with the purpose of coordinating and consolidating the authority and action of the Committee and Board in areas relating to control of water pollution and maintenance of a healthful environment.

The definitions appearing in PART I apply throughout and are not repeated.

The initial document covering the subject of standards of water quality for classification of state waters was adopted by the Utah Water Pollution Control Board (later renamed "Water Pollution Committee") in 1955 under the title "The Standards of Quality and the Regulations for Water Classifications".

It was revised in 1960, 1965, 1967 and 1968. Some requirements of the Federal Water Pollution Control Act were incorporated in 1967.

The current revision (1978) was made to accomplish Utah program needs and to meet requirements of the present Federal Act.

Throughout this document the term "shall" means a mandatory requirement. The terms "should", "recommend" and "preferred" mean a desirable standard.

Issuance of construction permits based on plans reviewed by the Division will not relieve any person of responsibility to meet all requirements of these regulations.

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2.0 PUBLIC POLICY

Whereas the pollution of the waters of this state constitute a menace to public health and welfare. creates public nuisances, is harmful to wildlife, fish and aquatic life, and impairs domestic, agricultural, industrial, recreational and other legitimate beneficial uses of water, and whereas such pollution is contrary to the best interests of the state and its policy for the conservation of the water resources of the state, it is hereby declared to be the public policy of this state to conserve the waters of the state and to protect, maintain and improve the quality thereof for public water supplies, for the propagation of wildlife, fish and aquatic life, and for domestic, agricultural, industrial, recreational and other legitimate beneficial uses; to provide that no waste be discharged into any waters of the state without first being given the degree of treatment necessary to protect the legitimate beneficial uses of such waters; to provide for the prevention, abatement and control of new or existing water pollution; to place first in priority those control measures directed toward elimination of pollution which creates hazards to the public health; to insure due consideration of financial problems imposed on water polluters through pursuit of these objectives; and to cooperate with other agencies of the state, agencies of other states and the federal government in carrying out these objectives. (Section 73-14-1, Utah Code Annotated 1953, as amended).

2.1 AUTHORITY

These standards are promulgated pursuant to Sections 73-14-1 through 73-14-13 and Sections 26-15-4 and 26-15-5, Utah Code Annotated 1953, as amended.

2.2 SCOPE

These standards shall apply to all waters of the state and shall be assigned to specific waters through the classification procedures prescribed by Section 73-14-6, Utah Code Annotated 1953, as amended. (See also Section 2.6 of these regulations).

2.3 ANTI-DEGRADATION POLICY

2:3.1 Maintenance of Water Quality

Waters whose existing quality is better than the established standards for the designated uses will be maintained at high quality unless it is determined by the Committee that a change is justifiable as a result

of necessary economic or social development. However, existing instream water uses shall be maintained and protected. No water quality degradation is allowable which would interfere with or become injurious to existing instream water uses.

2.3.2 <u>Anti-degradation Segments</u>

Waters of high quality which serve, or which may be reasonably expected to serve, as raw water sources for drinking water supplies or which have been determined by the Committee to be a State or National resource requiring protection shall be maintained at existing high quality through designation, by the Committee after public hearing, as anti-degradation segments. New point source discharges of wastewater, treated or otherwise, are prohibited in such segments after the effective date of designation. Protection of such segments from pathogens in diffuse, undergroung sources is covered in PARTS IV and V of these regulations. Other diffuse sources (non-point sources) of wastes shall be controlled to the extent feasible through implementation of best management practices or regulatory programs.

Projects such as, but not limited to, construction of dams or roads will be considered in anti-degradation segments on a case-by-case basis where pollution will result only during the actual construction activity, and where best management practices will be employed to minimize pollution effects.

Waters of the state designated as anti-degradation segments are listed in Appendix C.

2.4 COLORADO RIVER SALINITY STANDARDS

In addition to quality protection afforded by these regulations to waters of the Colorado River and its tributaries, such waters shall be protected also by requirements of "Proposed Water Quality Standards for Salinity Including Numeric Criteria and Plan of Implementation for Salinity Control, Colorado River System, June 1975" and a supplement dated August 26, 1975, entitled "Supplement, Including Modifications to Proposed Water Quality Standards for Salinity Including Numeric Criteria and Plan of Implementation for Salinity Control, Colorado River System, June 1975", as approved by the seven Colorado River Basin States and the U.S. Environmental Protection Agency.

2.5 MIXING ZONES

A mixing zone is a limited portion of a body of water, contiguous to a discharge, where dilution is in progress but has not yet resulted in concentrations which will meet standards for all pollutants. Mixing zones may be delineated for the purpose of

guiding sample collection procedures. The zone shall be small in extent and must not form a barrier to migrating aquatic life. Domestic wastewater effluents discharged to mixing zones shall meet effluent requirements specified in Section 1.3 of these regulations.

2.6 USE DESIGNATIONS

The Committee and Board, as required by 73-14-6 and 63-46-1 through 13, Utah Code Annotated 1953, as amended, shall group the waters of the state into classes so as to protect against controllable pollution the beneficial uses designated within each class as set forth below. Waters of the state are hereby classified as shown in Appendix B.

- 2.6.1 <u>Class 1 -- protected for use as a raw water source for domestic</u> water systems.
 - a. Class 1A -- protected for domestic purposes without treatment.
 - b. Class 1B -- protected for domestic purposes with prior disinfection.
 - c. Class IC -- protected for domestic purposes with prior treatment by standard complete treatment processes as required by the Utah State Division of Health.
- 2.6.2 <u>Class 2</u> -- protected for in-stream recreational use and aesthetics.
 - a. Class 2A -- protected for recreational bathing (swimming).
 - b. Class 2B -- protected for boating, water skiing, and similar uses, excluding recreational bathing (swimming).
- 2.6.3 Class 3 -- protected for in-stream use by beneficial aquatic wildlife.
 - a. Class 3A -- protected for cold water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain.
- b. Class 3B -- protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in their food chain.
 - c. Class 3C -- protected for non-game fish and other aquatic life, including the necessary aquatic organisms in their food chain. Standards for this class will be determined on a case-by-case basis. (See Appendix D).
 - d. Class 3D -- protected for waterfowl, shorebirds and other wateroriented wildlife not included in Classes 3A, 3B, or 3C, including the necessary aquatic organisms in their food chain.

- 2.6.4 <u>Class 4</u> -- protected for agricultural uses including irrigation of crops and stockwatering.
- 2.6.5 Class 5 -- protected for industrial uses including cooling, boiler make-up, and others with potential for human contact or exposure. Standards for this class will be determined on a case-by-case basis.
- 2.6.6 Class 6 -- protected for uses of waters not generally suitable for the uses identified in Sections 2.6.1 through 2.6.5, above.

 Standards for this class will be determined on a case-by-case basis.
- 2.7 WATER QUALITY STANDARDS

2.7.1 Application of Standards

The standards listed in Appendix A shall apply to each of the classes assigned to waters of the State as specified in Section 2.6 of these regulations. It shall be unlawful and a violation of these regulations for any person to discharge or place any wastes or other substances in such manner as may interfere with designated uses protected by assigned classes or to cause any of the applicable standards to be violated, except as provided in Section 1.3.1.

2.7.2 Narrative Standards

It shall be unlawful, and a violation of these regulations, for any person to discharge or place any waste or other substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisances such as color, odor or taste; or conditions which produce undesirable aquatic life or which produce objectionable tastes in edible aquatic organisms; or concentrations or combinations of substances which produce undesirable physiclogical responses in desirable resident fish, or other desirable aquatic life, as determined by bio-assay or other tests performed in accordance with standard procedures determined by the Committee.

2.8 PROTECTION OF DOWNSTREAM USES

All actions to control waste discharges under these regulations shall be modified as necessary to protect downstream designated uses.

2.9 INTERMITTENT WATERS

Failure of a stream to meet water quality standards when stream flow is either unusually high or less than the 7-day, 10-year

minimum flow shall not be cause for action against persons discharging wastes which meet both the requirements of PART I of these regulations and the requirements of applicable permits.

2.10 LABORATORY AND FIELD ANALYSES

2.10.1 Laboratory Analyses

All laboratory examinations of samples collected to determine compliance with these regulations shall be performed in accordance with standard procedures by the Utah Division of Health Laboratories or by a laboratory certified by the Utah Division of Health.

2.10.2 Field Analyses

All field analyses to determine compliance with these regulations shall be conducted in accordance with standard procedures specified by the Utah Division of Health.

2.11 PUBLIC PARTICIPATION OF NEW TOWN TO THE RESERVE OF THE PROPERTY OF THE PR

Public hearings will be held to review all proposed revisions of water quality standards, designations and classifications, and public meetings will be held for case-by-case consideration of discharge requirements set to protect water uses under assigned classifications. All meetings shall comply with the provisions of Section 63-46-1 through 13, Utah Code Annotated 1953, as amended.

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APPENDIX A

NUMERICAL STANDARDS FOR PROTECTION OF BENEFICIAL USES OF WATER

						CLASSI	<u>s</u>					_
	ł	Domestic Source			eation thetics		Aquat			Agri-	Indus	1
Constitutent	1A	18	10	2A	28	3A	W11d1i 38	٦C_	30	culture 4	try 5	Special 6
Bacteriological (No./100 ml)												
(30-day Geometric Mean) Maximum Total Coliforms Maximum Fecal Coliforms	1 •	50 *	5,000 2,000	1,000	5,000	:	•					
Physical						1				1		1
Total Dissolved Gasses Minimum DO (mg/l) (a) Maximum Temperature Maximum Tempe Change pH Turbidity increase (c)	6.5-9.	0 6.5-9.0	5.5 * 0 6.5-9.0	5.5 6.5-9.0		(b) 6.0 20°C 2°C 6.5-9.0 10 HTU	(b) 5.5 27°C 4°C 4°C 0 6.5-9.0 10 NTU		5.5 6.5-9.0 15 NTU	6.5-9.0		
Chemical (Maximum mg/1)			•••	1				6		-		
Arsenic, dissolved Barium, dissolved Cadmium, dissolved Chromium, dissolved Copper, dissolved Cyanide Iron, dissolved Lead, dissolved Mercury, total Phenol Selenium, dissolved Silver, dissolved Zinc, dissolved	.01	.05 1 .010 .05 .05 .002	.05 1 .010 .05 .05 .002			.0004(d) .10 .01 .005 1.0 .05 .00005 .01 .05	.004(d) .10 .01 .005 .00005 .01 .05	BASIS (SEE APPENDIX	1.0	.1 .01 .10 .2	A CASE-BY-CASE BASIS	A CASE-BY-CASE BASIS
NHy as N (un-ionized) Chlorine Fluoride, dissolved (e) NOy as N Boron, dissolved H ₂ S TOS (f)	1.4-2.4	1.4-2.4	1.4-2.4 10	•	•	.02	.02	DETERMINED ON A CASE-BY-CASE		.75	DETERMINED ON	DETERMINED ON
Radiological (Maximum pCi/1)								TERM			1 BE	ר 96
Gross Alpha Radium 226, 228 combined Strontium 90 Tritium	15 5 8 20,000	15 5 8 20,000	15 5 8 20,000	•	*	15(g)	15(g)	MILL BE	15(g)	15(g)	STANDARDS WILL	STAMDARDS WILL
Pesticides (Maximum ug/1)								ROS	•		ST	ız
Endrin Lindane Methoxychlor Toxaphene 2, 4-0 2, 4, 5-TP	.2 4 100 5 100	.2 4 100 5 100	.2 4 100 5 100	*	•	.004 .01 .03 .005	.004 .01 .03 .005	STANDARDS	.004 .01 .03 .005	*		
Pollution Indicators (g)				, ,	l		•	-		!		
Gross Beta (pCi/1) BOD (mg/1) NO3 as N (mg/1) PO4 as P (mg/1)(h)	50 *	50	50 .5	5 5 4 9 5 .05	5 4 7.05	50 5 4	50 5 4		50 5 +	50 5	· • • • • • • • • • • • • • • • • • • •	

Insufficient evidence to warrant the establishment of (e) Maximum concentration varies according to the numerical standard. Limits assigned on case-by-case daily maximum mean air temperature.

Temp. OC mg/1

- (a) These limits are not applicable to lower water levels in deep impoundments.
- (b) Not to exceed 110% of saturation.
- (c) For Classes 2A, 2B, 3A, and 3B at background levels of 100 NTUs or greater, a 10% increase limit will be used instead of the numeric values listed. For Class 3D at background levels of 150 RTUs or greater, a 10% increase limit will be used instead of the numeric value listed. Short term variances may be considered on a case-by-case basis. case basis.
- (d) Limit shall be increased threefold if ${\rm CaCO}_3$ hardness in water exceeds 150 mg/l.

Temp. O _C	mg/1
12.0 and below	2.4
12.1 to 14.6 14.7 to 17.6	2.2 2.0
17.7 to 21.4 21.5 to 26.2	1.8 1.6
26.3 to 32.5	1.4

- (f) Total dissolved solids (TDS) limit may be adjusted on a case-by-case basis.
- (g) Investigations should be conducted to develop more information where these pollution indicator levels are exceeded.
- (h) PO4 as P(mg/1) limit for lakes and reservoirs shall be .025.

	USE CLASSES										
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC Source	RECREATION AND	_		AQUATIC	WILDLIFE		AGRICULTURE			
	10	2A 2	В	3A	3B	30	30	4			
PPER COLORADO RIVER BASIN											
COLORADO RIVER DRAINAGE											
Paria River and tributaries, from state line to headwaters		,	<u> </u>			χ		X			
Escalante River and tributaries, from take Powell to confluence with Boulder Creek		,	×			x					
Escalante River and tributaries, from confluence with Boulder Creek,including Boulder Creek,to head:vaters		,	X	X				x			
Dirty Devil River and tributaries, from Lake						χ					
Fremont River and tributaries, from confluence with Huddy River to Capital Reef Mational Adminment						X		x			
Fremont River and tributaries, through Capitol Reef National Park to headwaters	x			X				х			
Fleasant Creek and tributaries, from confluence with fremont River to East boundary of Capitol Reef National Park						x					
Pleasant Creek and tributaries, from East boundary of Capitol Reef National Park to headwaters				X							
Auddy River and tributaries, from confluence with fremont River to Highway U-10 crossing						x		x			
l'uddy River and tributaries, from Highway U-10 crossing to headwaters				X				х			
Quitchupan Creek and tributaries, from Highway U-10 crossing to headwaters				x				x			
San Juan River and tributaries, from Lake Powell to state line except as listed below:	X		X		x			x			
Johnson Creek and tributaries from confluence with Recapture Creek to headwaters	x			х				х			
Verdure Creek and tributaries, from Highway U-47 crossing to headwaters				X				х			
Horth Creek and tributaries, from confluence with Hontezuma Creek to headwaters	x			x				x			

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CLASSIFICATION OF MATERS OF THE STATE	DOMESTIC SOUNCE	RECREAT 1014	ESTHETICS		AQUATIC	WILDLIFE		AGRICUL TURE
	10	2A	28	3A	39	30	30	:
UPPER COLORADO RIVER BASIN (continued)		ļ			_			
COLORADO RIVER DRAINAGE (continued)								
South creek and tributaries, from confluence with Nontezuma Creek to neadwaters				x				٨
Spring Creek and tributaries, from confluence with Vega Creek to headwaters				x				,
, , Montezuma Creek and tributaries, upstream from Honticello	х			x				,
Colorado River, from Lake Powell to state line	х		×		λ			,
Indian Creek and tributaries, from confluence with Colorado River to Indian Creek State Park					x			1
Indian Creek and tributaries, through Indian Creek State Park to headwaters				x				1
Kine Canyon Creek and tributaries, from conflu- ence with Colorado River to headwaters						x		,
Hill Creek and tributaries, from confluence with Colorado River to headwaters				x				,
Onlores River and tributaries, from confluence with Colorado River to state line			x			х		ì
Roc Creek and tributaries, from confluence with Dolores River to headwaters				x				,
LaSal Creek and tributaries, from state line to leadwaters				x				,
Lion Canyon Creek and tributaries, from state line to headwaters				x				,
Little Nolores River and tributaries, from con- fluence with Colorado River to state line						X		,
Bitter Creek and tributaries, from confluence with Colorado River to headwaters						x		χ,
					T			

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CLASSIFICATION OF MATERS OF THE STATE	DOMESTIC SOURCE	RECREAT 10H			AQUATIC	WILDLIFE		AGRICULTURE
.5: .	10	2A	2B	3A	<u> 38</u>	3C	30	4
UPPER COLOFADO RIVER BASIN (continued)								
GREEN RIVER DRAINAGE								
Green River and tributaries, from confluence with Colorado River to state line except as listed below:	X		X		x			х
San Rafael River and tributaries, from con- fluence with Green River to confluence with ferron Creek						χ		х
ferron Creek and tributaries, from confluence with San Rafael River to Hillsite Reservoir						x		х
Ferron Creek and tributaries, from Millsite Reservoir to headwaters	X			x				х
Huntington Creek and tributaries, from con- fluence with Cottonwood Creek to Highway U-10 crossing						x		х
Huntington Creek and tributaries, from Highway U-10 crossing to headwaters	χ.			x				x
Cottonwood Creek and tributaries, from con- fluence with Huntington Creek to Highway U-57 crossing.								X
Cottonwood Creek and tributaries, from High- way U-57 crossing to headwaters.edg/9-2-09/	x			x				х
Cottonwood Canal, Emery County	Х							х
Price River and tributaries, from confluence with Green River to Castle Gate below Price City Water Treatment Plant intake.						x		χ
Price River and tributaries, from Castle Gate below Price City Water Treatment Plant intake to Headwiters	X			x				X
Grassy Trail Creek and tributaries, from Grassy Trail Creek Dam to headwaters	X			x				x
Range Creek and tributaries, from confluence with Green River to Range Creek Pumping Sta- tion.				x				x
Pange Creek and tributaries, from Range Creek Pumping Station to headwaters	χ			x				х
Nine Mile Creek and tributaries, from conflu-			i -			1-		
ence with Green River to headwaters				х	1	1	1	Х

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CLASSIFICATION OF WATERS OF THE STATE	DOMEST 1C SOURCE	RECREATION	ESTHETICS		AQUAT1C	WILDLIFE		AGR I CUL TURE
	10	2A	28	ЗА	3 B	30	30	4
UPPER COLORADO RIVER BASIN (continued)								
GREEN RIVER DRAINAGE (continued)								
Pariette Draw and tritiziones, from confluence with Green River to headwaters					x		х	X
Willow Creek and tributaries (Uintah County), from confluence with Green River to headwaters						1		X
White River and tributaries, from confluence with Green River to state line				-		x		X
Duchesne River and tributaries, from conflu- ence with Green River to Hyton Water Treat- ment Plant intake					X		<u> </u>	X
Duchesne River and tributaries, from Hyton Water Treatment Plant intake to headwaters	χ			x				λ
Uinta River and tributaries, from confluence with Durmesne River to Highway US-40 crossing					x			X
Ginta River and tributaries, from Highway US-40 crossing to headwaters				x				,
Lake fork River and tributaries, from confluence with Duchesne River to headwaters	x			x				1
Lake Fork Canal from Dry Gulch Canal diver- sion' to Moon Lake	х							`
Dry Gulch Canal, from Myton Water Treatment Plant to Lake Fork Canal	х							
Whiterocks River and Canal, from Tridell Water Incolment Plant to neadwaters	х							x
Asidey Creek and tributaries, from confluence with Greek River to 5th North Street in Vernal					x			λ
Ashley Creek and tributaries, from Steinaker diversion to headwaters				x				х
Big Brush Creek and tributaries, from conflu- ence with Green River to Tyzack (Red Fleet) Dam					x			x
Big Brush creek and tributaries, from Tyzack (Red Fleet) Ham to headwaters				х				,

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CLASSIFICATION OF MATERS OF THE STATE	DOMEST 1C SGURCE	RECREATION			AQUATIC	WILDLIFE		AGRICULTURE
	10	2A	28	3A	38	30	30	4
UPPER COLORADO RIVER BASIN (continued)								
GREEN RIVER DRAINAGE (continued)								
Jones Hole Creek and tributaries, from con- fluence with Green River to headwaters				×				
Diamond Gulch Creek and tributaries, from confluence with Green River to headwaters				x				х
Pot Creek and tributaries, from Crouse Reservoir to headwaters				x				х
Green River and tributaries, from state line to Flaming Gorge Dam except as listed below:			X	x				x
Crouse Creek and tributaries, from confluence with Green River to headwaters	·			, x				х
Willow Creek and tributaries, from confluence with Green River (Daggett County) to head- waters				x				x
Sears Creek and tributaries, Daggett County				X				
Tolivers Creek and tributaries, Daggett County				X				
Red Creek and tributaries, from confluence with Green River to state line in the first confluence.				x				x
Jackson Creek and tributaries, Daggett County				Х				
Davenport Creek and tributaries, Daygett County				X				
Goslin Creek and tributaries, Daggett ** County				x				
Gorge Creek and tributaries, Daggett (County (おおきまれ)				X				
Beaver Creek and tributaries, Daggett County				X				
O-Wi-Yu-Kuts Creek and tributaries, Naggett		_	<u> </u>	1	1	1	\Box	
County	ĺ			χ	1		1	1

			L	ISE (LASS	ES		
CLASSIFICATION OF MAYERS OF THE STATE	DOMESTIC SOURCE	RECREATION			AQUATIC	WILDLIFE		אנינוכנוו זטצנ
	10	2A	28	3A	33	30	3D	4
UPPER COLORADO RIVER BASIN(continued)								
GREEN RIVER DRAINAGE (continued)								
Cart Creek and tribularies, from Flaming Gorge Reservoir to headwaters				x				
Eagle Creek and tributaries, from flaming Gorge Reservoir to headwaters				χ				
Carter Creek and tributaries, from Flaming Gorge Reservoir to headwaters				X				
Sheep Creek and tributaries, from Flaming Gorge Reservoir to headwaters				x				,
Birch Spring Draw and tributaries, from Flaming Gorge Reservoir to headwaters						1		1
Spring Creek and tributaries, from Flaming Gorge Reservoir to headwaters				x				
Birch Creek and tributaries, from state line to headwaters				×				X
Burnt Fork and tributaries, from state line to headwaters				x				1
Middle Fork Beaver Creek and tributaries, from state line to headwaters				x				X
West Fork Beaver Creek and tributaries, from $n_{\rm eff, N_{\rm eff}}$ state line to headwaters				x				ı
Henry's Fork and tributaries, from state line attributaries.				x				1
fast Smith's Fork and tributaries, from state line to headwaters				x				
Giltert Greek and tributaries, from state line to headwaters				x				
West Smith's Fork Creek and tributaries from state line to headwaters				x				
Archie Creek and tributaries, from state			 	1	1	1	<u> </u>	
line to headwaters				x	l			l

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CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		ESTHETICS		AQUAT1C	WILDLIFE		AGRICULTURE
	10	2A	28	3A	3B	30	30	4
UPPER COLOMADO RIVER BASIN (continued)"								
GREEN RIVER DRAINAGE (continued)								
Willow Creek and tributaries/ from state line to headwaters (Summit County)				х				
Black's fork River and tributaries, from Heeks Cabin Reservoir to headwaters				x				
Little West Fork Black's Fork and tributaries from state line to headwaters				x				
LOWER COLORADO RIVER BASIN						ì		
VIRGIN RIVER DRAINAGE								
Virgin River and tributaries, from state line to headwaters except as listed below:						x		x
Santa Clara River and tributaries, from Gun- lock Reservoir to headwaters	χ			X				х
North Fork Ash Creek, from Ash Creek Reservoir to headwaters				x	ļ			х
Leed's Creek, from confluence with Virgin River to headwaters 一年底原學學學				х				X
North Fork Virgin River and tributaries				X				χ
East Fork Virgin River, from town of Clen- dale to headwaters				×				X
Kolob Creek, from confluence with Virgin River to headwaters				χ				x
KAHAR CREEK DRAIHAGE						-		
tanab Creek and Eributaries, from state time to irrigation diversion at confluence with Reser- voir Canyon				-		x	-	x
ranab Creek and tributaries, AFSE ISTIUCTASS. to headwaters				,				x

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CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		ESTHETICS		AQUATIC	WILDLIFE		AGRICULTURE
. : *	10	2A	28	3A	38	30	30	1
BEAR RIVER BASIN								
BEAR RIVER GRAINAGE								
Bear River and tributaries, from Great Salt Lake to Utah-Idaho border			X		x		x	x
Box Elder Creek, from Brigham City Reservoir to headwaters				x				X
Malad River and tributaries, from confluence with Bear River to state line		,-	-			X		
Little Bear River and tributaries, from Cutler Reservoir to headwaters				х			x	х
Logan River and tributaries, from Cutler Reservoir to headwaters		-		x			x	x
Blacksmith Fork and tributaries, from confluence with Logan River to headwaters				X				x
Newton Creek and tributaries, from Cutler Reservoir to Newton Reservoir					x			x
Clarkston creek and tributaries, from Newton Reservoir to headwaters					x		-	x
Birch Craek and tributaries, from confluence with Clarkston Creek to headwaters		-		X				X
Summit Greek and tributaries, from confluence with Bear River to headwaters				χ		-		x
Cub River and tributaries, from confluence with Bear River to state line except as listed below:					x		-	X
High Creek and tributaries, from confluence with Cub River to headwaters				x				x
Swan Spirings, cribitary to Swan Creek	X							
Swan treek and tributaries, from Bear Lake to headwaters				x				x
Big Creek and tributaries, from Bear Lake to headwaters			x	x	_			x

	<u> </u>		U	SE C	LASS	ES		
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		ESTHETICS		AQUATIC	WILDLIFE		AGRICULTURE
·	10	_A_	28	3A	38	23	35	_4
SEAR RIVER BASIN (continued)								
BEAR RIVER DRAIHAGE (continued)							·	
Bear River and tributaries in Rich County				X				X
Bear River and tributaries, from Utah-Wyoming . state line to headwaters (Summit County)				χ				x
Hill Creek and tributaries, from state line to headwaters (Summit County)				x				x
WEBER RIVER DASIN						,		
WEBER RIVER DRAINAGE						<u> </u>	<u>.</u>	
Weber River, from Great Salt Lake to Slaterville diversion						x	x	х
Weber River and tributaries, from Slaterville diversion to Stoddard diversion				x				x
Weber River and tributaries, from Stoddard diversion to headwaters headway	x			x ·				x
Strongs Canyon Creek and tributaries, from U.S. National Forest boundary to headwaters.	χ			X				х
Burch Creek and tributaries, from Harrison Boulevard in Ogden to headwaters	х			x	-			
Spring Creek and tributaries, from U.S. National forest boundary to headwaters	х			X				
Ogden River and tributaries, from confluence with Weber River to Pineview Dam				x		<u> </u>		x
All tributaries to Pineview Reservoir including those listed below:	х			X				x
North Fork of Ogden River	X			χ				×
Middle Fork of Ogden River	X		-	X				X
And the second s		•						

The second secon			Ú	SE C	LASS	ES		
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC Source	RECREATION			AQUATIC	WILDLIFE		AGRICUL TURE
:	10	2A	28	3A	3B	30	30	4
WEBER RIVER BASIN (continued)				.				•
WEBER RIVER DRAINAGE (continued)								
South Fork of Ogden River	X			x				x
UTAH LAKE-JORDAN RIVER BASIN								
JORDAN RIVER CHAINAGE								
Jordan River, from Farmington Bay to North Temple Street, Salt Lake City			x			x	×	x
Jordan River, from North Temple Street in Salt Lake City to confluence with Little Cottonwood Creek			x		x			x
Jordan River from confluence with Little Cotton- wood Creek to Narrows Diversion			x	x	-			x
Jordan River, from Narrows Diversion to Utah Lake			X		×		-	x
City Creek, from Memory Park in Salt Lake City to City Creek Waler Treatment Plant			χ.	x				-
City Creek, from City Creek Water Treatment Plant to headwaters,	x			x				
Parley's Creek and tributaries, from 1300 East in Salt Lake City to Mountain Dell Reservoir			x			x		_
Paricy's Creek and tributaries, from Mountain Dell Reservoir to headwaters	X			x				
Emigration Creek and tributaries, from Foothill Buulevard in Salt lake City to headwaters				x				
Red Butte Creek and tributaries, from Red Butte Reservoir to headwaters	X			x				
Hill Creek and tributaries, from confluence with Jordan River to headwaters				x				x
Big Cottonwood Creek and tributaries of memory with Jordan River to big cotton Mater Treatment Plant			X,	X		\mid		,

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X

X

X

X

X

X

* 1	USE CLASSES									
CLASSIFICATION OF WATERS OF THE STATE	COMESTIC SOURCE	RECREATION			AQUATIC	#ILOLIFE		ASRICULTURE		
	E	ZA	28	3A	<u>3B</u>	3C	311	.1		
UTAH LAKE - JORDAN RIVER BASIN (continued)										
JORDAN RIVER ORALHAGE (continued)										
Big Cottonwood Creck and tributaries, from Big Cottonwood Water Treatment Plant to headwaters	×			х		_				
Little Cottonwood Creek and tributaries, from confluence with Jordan Hiver to Hetropolitan. Water Treatment Plant				X				x		
Little Cottonwood Creek and tributaries, from Hetropolitan Water Treatment Plant to headwaters	x			X						
Bell Canyon Creek and tributaries, from lower Bell's Canyon reservoir to headwaters	х			x						
Little Willow Creek and tributaries, from Draper Irrigation Company diversion to headwaters	· X			X						
South Fork of Dry Creek and tributaries, from Draper Irrigation Company diversion to headwaters	x			X						
All permanent streams on east slope of Oquirrh Hountains (Coon, Barney's, Bingham, and Butter- field Creeks)	,			χ				X		
PROVO RIVER DRAINAGE										
Provo River and tributaries, from Utah take to Hurdock Diversion			X	X				X		
Provo Rivar and tributuries, from Murdock Diver- sion to headwaters	X		¥	Х				x		
Jordan Aqueduct from Jordan Valley Water Treatment Plant to Hurdock Diversion	χ							,		
Upper Falls draining above Provo City diversion	Х			X						
Bridal Verl Falls drainage above Provo City diversion	x			1		-				
Lost Creek and critutaries above Provo City diversion	x			<u>.</u>						
22.20										

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	USE CLASS				ES			
CLASSIFICATION OF NATERS OF THE STATE	DOMEST IC SOURCE	RECREATION	ESTHETICS		AQUATIC	WILDLIFE .		AGR I CUL TURE
	10	2A	28	3A	3B	30	30	4
UTAH LAKE - JORDAN RIVER BASIN (continued)								
OTHI LAKE CHATHAGE								
American Fook Creek and tributaries, from diver- sion at mouth of Americank Canyon to head- waters				x				x
. Spanish Fork River and tributaries, from Utah Lake to dive.sion at Moark Junction					x		x	X
Spanish fork River and tributaries, from diver- sion at heark Junction to headwaters				x				x
Spring Creek and tributaries, from Utah Lake near Lehi to headwaters				x	-	_	 -	X
Lindon Hollow Creek and tributaries, from Utah Lake to headwaturs				_	×		 	x
→ Hill Ruce Creek and tributaries, from Utah Lake to headwaters					x			X
Spring Cruek and tributaries, from Utah Lake (Provo Ear) to headwaters				x				
Hobble Creek and tributaries, from Utah Lake to head.siers				х			<u></u>	x
ing Cleek and tributaries, from Utah Lake to hashwaters					×			×
sanjamin Stough and Cributaries, from Utah Lake to beadwaters					х		_	X
Air echar promunent streams entering Utah					X			X

laka di di

Costan Sanyon

Salt: Creek, from Hephi diversion to headwaters

Lumane Creek, from Mona Reservair to mouth of

Durniston Craek, from Mona Reservoir to head-warers²⁴ (Acc)

Peteetnest freek and tributaries, from irrigation diversion above Haple Dell to headwaters

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			Ū	ISE (LAS	SES		
CLASSIFICATION OF MATERS OF THE STATE	DOMESTIC SOURCE	RECREATION	ESTHETICS	AQUATIC WILDLIFE				AGR I CUL TURE
	1C	2A	28	3A	38	30	30	1
TAH LAKE - JORDAN RIVER BASIN (continued)								
UTAH LAKE DRAIfiAGE (continued)								
Summit Creek and tributaries (above Santaquin), from U.S. Hational Forest boundary to headwaters			X	×				X
Rock Canyon Creek and tributaries (tast of Provo) from U.S. National Forest boundary to headwaters	X			X				X
Ory Creek and tributaries (above Alpine), from U.S. National Forest boundary to headwaters			X	x				X
IVIER RIVER BASIN								
SEVIER RIVER DRAINAGE								
Sevier River and tributaries from Gunnison Bend Reservoir to Annabelle Diversion except the following tributaries:					x			x
Oak Creek and tributaries, Hillard County				X				X
Pioneer Creek and tributaries, Hillard County				x				X
Chalk Creek and tributaries, Millard County				X				X
Headow Creek and tributaries, Hillard County				X				ĸ
Corn Creek and tributaries, Hillard County				1				X
Maple Grove Springs, Hillard County				X				X
Chicken Creek and tributaries, Juab County				X				X
San Pitch Piver and tributaries, from conflu- ence with Sevier Niver to Highway U-liz cross- ing except the fullowing tributaries:						x	x	X
Iwelve Hile Creek and tributaries, from Uniters Service boundary to head- witers				x				x

			U	SE C	LAS	SES.			
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE	RECREATION	RECREATION AND ESTHETICS		AQUATIC WILDLIFE				
	10	2A	28	3A	38	30	30	4	
SEVIER RIVER BASIN (continued)								ĺ	
SEVIER RIVER DRAINAGE (continued)									
Six Hile Creek and tributaries, Sampete County				x				1	
Hanti Creek and tributaries, from U.S. Forest Service boundary to headwaters				X				*	
Ephraim Creek and tributaries, from D.S. Forest Service to headwaters				X				×	
Nak Creek and tributaries, from U.S. Forest Service boundary near Spring City to headwaters				K				×	
Fountain Green Creek and tributaries, from U.S. Forest Service boundary to headwaters				X				x	
San Pitch River and tributaries, from Highway U-132 crossing to headwaters				X				×	
Sevier River and tributaries, from Annabelle Diversion to headwaters				X				x	
Beaver River and tributaries, from Minersville City to headwaters				x			_	X	
Pinto Creek and tributaries, from Newcastle Reservoir to headwaters		_		x		_		x	
Coal Creek and tributaries				x				×	
Summit Creek and tributaries		i		ä				X	
Parowan Creek and tributaries				1				×	
GREAT SALT LAKE BASIN			-						
WESTERM GREAT SALT LAKE DRATHAGE							.—.		
Grouse Creek and tributaries, Box Elder County				X				X	

		USE CLASSES												
CL	ASSIFICATION OF WATERS OF THE STATE	DOMESTIC Source	RECREATION	ESTHETICS		AQUATIC	WILDLIFE		AGR I CUL TURE					
		10	2A	28	3A	38	30	30	4					
GREAT SALT LA	KE BASIN (continued)													
WESTERN G	REAT SALT LAKE DRAINAGE (continued)													
Curle	w (Deep) Creek, Box Elder County				X				X					
Pine	Creek and tributaries, Box Elder County				X				X					
Dove	Creek and tributaries, Box Elder County				x				x					
, Dunn	Creek and tributaries, Box Elder County				X				X					
llorth Count	Willow Creek and tributaries, Tooele y				X				x					
South Count	Willow Creek and tributaries, Tooele y				X				X					
Clove	r Creek and tributaries, Tooele County				X				X					
Verno	π Creek and tributaries, Tooele County				X				X					
Ophir	Creek and tributaries, Tooele County				X				X					
Sett1 Count	ement Canyon Creek and tributaries, Tooele y				۲				X					
Middl Count	e Canyon Creek and tributaries, Tooele y				χ				x					
Basin Count	Creek and tributaries, Juab and Tooele ies				X				х					
India	n Farm Creek and tributaries, Juab County				X				х					
Thoma	s Creek and tributaries, Juab County				X				X					
Cotto	nwood Creek and tributaries, Juab County				X				x					

	USE CLASSES									
CLASSIFICATION OF WATERS OF THE STATE.	DOMESTIC SOURCE				AQUATIC					
	10	2A	2B	<u>3A</u>	38	30	30	4		
GREAT SALT LAKE BASIN (continued)										
WESTERN GREAT SALT LAKE DRAINAGE (continued)										
Granite Creek and tributaries, Juab County—				X				X		
Trout Creek and tributaries, Juab County				X				X		
Birch Creek and tributaries, Juab County				X				ĸ		
Deep Creek and tributaries, from Rock Spring Creek to headwaters, Juab and Tooele Counties				X				x		
Lake Creek, from Garrison (Pruess) Reservoir to Hevada state line				X				x		
Snake Creek and tributaries, Hillard County					X			X		
Hamlin Valley Wash and tributaries, from Nevada state line to headwaters (Beaver & Iron Counties)							X	x		
·										
FARMINGTON BAY DRAINAGE										
Corbett Creek and tributaries, from Highway US-89 to headwaters				X				. X		
Kays Creek and tributaries, from Farmington Bay to U.S. National Forest boundary						X		x		
North Fork Kays Creek and tributaries, from U.S. National Forest boundary to headwaters				x				x		
Middle Fork Kays Creek and tributaries, from U.S. National Forest boundary to headwaters	х			X				X		
South fork Kays Creek and tributaries, from U.S. National Forest boundary to headwaters	х			X				X		
Snow Creek and tributaries						x		x		

	USE CLASSES											
CLASSIFICATION OF MATERS OF THE STATE	DOMESTIC SOURCE	RECREATION	ESTHETICS		AQUATIC W1LDL1FE		AGRICUL TURE					
	1C	2A	28	3A	ЗВ	30	30	4				
GREAT SALT LAKE BASIN (continued)			_									
FARITINGTON-BAY DRAINAGE (continued)			_			_						
Nolmes treek and tributaries, from Farmington Bay to U.S. National Forest boundary						X		x				
Holmes Creek and tributaries, from U.S. National Forest boundary to headwaters	x			X				x				
Baer Creek and tributaries, from Farmington Bay to Highway US-89					x			X				
Gaer Creek and tributaries, from Highway US-89 to headwaters				x				x				
Shepard Creek and tributaries, from U.S. National Forest boundary to headwaters	x			x				X				
farmington Creek and tributaries, from Farmington Bay Waterfowl Hanagement Area to U.S. Hational Forest boundary					x			x				
Farmington Creek and tributaries, from U.S. National Forest boundary to headwaters	x			x				X				
Rudd Creek and tributaries, from Davis aqueduct to headwaters				x				x				
Steed Creek and tributaries, from U.S. Mational Forest boundary to headwaters	x			х				x				
Davis Creek and tributaries, from Highway U.S89 to headwaters				x				x				
Lone Pine Creck and tributaries, from Highway US-89 to headwaters				x				x				
Ricks Creek and tributaries, from Highway 1-15 to headwaters				x				X				
Carnard Creek and tributaries, from Highway US-89 to Headwaters				x				x				
Parrish Creek and tributaries, from Davis Aquduct to headwaters				x				x				
Deuel Creek and tributaries, from Davis Aqueduct to headwaters				x				x				

	USE CLASSES										
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE	RECREATION	ESTHETICS		AQUATIC	WILDLIFE		AGR I CUL TURE			
<u> </u>	10	2A	28	3A	3B	30	30	4			
GREAT SALT LAKE BASIN (continued)											
FARMINGTON BAY DRAINAGE (continued)											
Stone Creek and tributaries, from farmington Bay Watertowl Hamagement Area to U.S. Hational Forest boundary					x			X			
Stone Creek and tributaries, from U.S. National forest boundary to headwaters	x			x				x			
Barton Creek and tributaries, from U.S. National Forest boundary to headwaters				x	_	-		x			
Mill Creek and tributaries, from confluence with State Canal to U.S. National Forest boundary (Davis County)					x			*			
Mill Creek and tributaries, from U.S. National Forest boundary to headwaters				x				x			
North Canyon Creek and tributaries, from U.S. National Forest boundary to headwaters		_		X				x			
SNAKE RIVER BASIN											
RAFT RIVER DRAINAGE (Box Elder County)							-				
Raft River and tributaries				x				x			
Goose Creek and tributaries				x				x			
Hardesty Creek and tributaries, from state line to headwaters				X				x			
Birch Creek and tributaries, from state line to headwaters				x				x			
Pole Creek and tributaries, from state line to headwaters				x				x			
ALL IRRIGATION CANALS AND DITCHES STATEWIDE, EXCEPT AS OTHERWISE DESIGNATED								X			
ALL DRAINAGE CANALS AND DITCHES STATEWIDE, EXCEPT AS DITHERWISE DESIGNATED (CLASS 6)							_				

<u> </u>	The state of the s	USE CLASSES											
	CLASSIFICATION OF WATERS OF THE STATE	DCHEST 1C SOURCE	RECREATION	ESTHETICS		AQUATIC	HILDLIFE		AGRICULTURE				
	The state of the s	10	2A	2B	3A	3B	30	30	4.				
STATE W	L DILOCIFE REFLOES AND ATERFORE MANAGERI AREASEN - CONTROL MANAGERIA		,	i		;	1	•	1				
	Bear River Hational Wildlife Refuge: Box. Elder county			-	;	X		x	**************************************				
	Erown's Park Haterfowl Hanagement Area: Daygett County		-		X	-		X					
•	Clear Lake Haterfowl Hanagement Area Hillard County	٠,			1 :	:	X	х					
,	Desert Lake Waterfowl Hanagement Area Emery County					; ,	ž.	x.					
	Farmington Bay Haterfowl Management Area. Davist and Salt Lake Counties	April 40	;	7.4	· .		X	, X	. ;				
•	fish Springs National Wildlife Réfûge Juab County			12.0			X	X;					
	Harold Crane Waterfow) Management Area, Box. Elder County				;		X	χ					
	Howard Slough Waterfowl Hanagement Area, Weber County				•		X	χ'					
	Locomotive Springs Waterfowl Hanagement Area. Box Elder County		,	•		×	:	x.	. <u></u>				
	Ogden Bay Waterfowl Management Area, Weber County						χ.	χ					
	Guray National Wildlife Refuge, Vintan County	. 1		;	. 40	X	,;	<i>x</i>	1				
	Powell Slough Waterfowl Management Area, Utah A			;	- -	X	 : :	x					
	Public Shooting Grounds Waterfowl Management Area, Cox Elder County		- -		 [40. 4.4.	X.	1,					
	Sult Creek Waterfowl Management Area , Box Elder County				1	4.2	χ.	X :					
	Stewart Lake Waterfowl Hanagement Area (Unitan County		:			λ		X :					
ŀ	Timple Springs Waterfowl Management Area Tooele,	, :				X		X					
	16.3 AGALON A Ramb. et			1			_						

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CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		RECREATION AND ESTHETICS		AQUATIC			AGRICUL TURC
The state of the s	10	2A	28	3A	3B	30	30	4
IAKES AND RESERVOIRS (29 Acres or Larger)	<u> </u>		_		_	_		
BLAVER COURTY BLAVER COURTY AND THE STATE OF THE STATE								
The state of the s			х	X				x
LaBaron Reservoir			X	X				X
Middle Kent's Lake			χ	X				X
Minersyi (10 Decarroin			X	X			X	X
Puffer Lake			X	X				
BOX ELDER COUNTY	·							
Courter Reservoir (including portion in Cache			X		x		x	x
Etna keservoir				X				X
Lynn Reservoir				X				X
Mantua Baserio Ira			X	X				1
Hillard Bay Reservoir			X		х		X	X
CACHE COUNTY								
Silventieservoir			X	х				x
Novion Reservoir			X		X			X
Purcupine Reservoir			x	X				X

				JSE	CLAS	SES		-
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		ESTHETICS"		AQUATIC	WILDLIFE	ŗ	AGRICULTURE
Charter Clark materials to a septimental for the up of the	1C	2A	2 <u>B</u>	JA	30	30	30	4
ARES AND RESERVOIRS (20 Acres or targer) (continued)			4	:	1		:	
CACHI COUNTY (continued)	1	:		;	; ;	÷ +		:
Pelican Pond		24 22 4	y	X	ر تدسور د	1	:	•
CARBON COUNTY		,					;	
Olsen Pond	- - -		X		X	, , ,	,	λ
Scofield Reservoir	X		X ;	X	- April - April -			Ì.
DAGGETT COUNTY	1 € y	,				1		; ;-
Browne Lake	- primer	• • • • • • • • • • • • • • • • • • •	X	x		***	į.	X
Daggett Lake		-	X.	X ,	e la management de	•		X .
Flaming Borge Reservoir (Utah portion)	X	X	X.	X		- <u>-</u>	11.	X .
Sheep Creek Reservoir		-3	X	X.	**************************************	4		x
DAVIS COUNTY	- !	- 1	1	, ;		- ;		•
Holmes Creek Reservoir		-			X,			X.
DUCHESHE COUNTY			- ;			1		:
Atwine Lake			X :	x :	-			. X
Atwood Lake			X	x				Ä.
Big Sandwash Reservoir			X	X				X
werterish said	— <u> — </u>				1	 -l		

				JSE (CLAS	SES		
CLASSIFICATION OF WATERS OF THE STATE	DOMESTIC SOURCE		ESTHETICS		AQUATIC	WILDLIFE		AGRICUL TURE
A COLOR OF A MARK OF THE COLOR OF	10	2A	28	3A	38	30	30	4
LAKES AND RESERVOIRS (20 Acres or Larger) (continued)							l	
DUCHESME COUNTY (continued) Dluebe II. Lake Brown Duck Reservoir								
Dluebell Lake			X	X				x
Brown Duck Reservoir Chain Lake //			X	X				x
The second second section of the second seco			X	x				x
Chepeta lake			x	X				X
Clements Reservoir			X	X				X
Cleveland Lake			X	x				X
crifflake			x	x				X
Continent Lake			X	X				X
Craterilake			X	X				x
Lescent Lake			X	X				X
Daynes take:	;		X	X	_			X
Dean Lake		-	X	X				X
DIL tie		7	x	x				X
The state of the s			X	x				X
Elucy tale			X	X		7		x

								1.43		_
CLASSIFICATION OF WATERS OF THE STATE		DOMESTIC .	RECREATION	AND ESTHETICS	***	ADUATIC	VILOUEF		AGRICULTURE	
ARES AND RESERVOIRS (10 Acres or reiger) (continued)		10	2A	28	3A	J.	30	30	4	-
DUCHESHE COUNTY (continued)		7 7 7	,	-				ti,	-	
Farmer's lake				X 1	- X-ver		To the same	1		
Fern Lake		;	:	X	×				1	
Fish Hatchery lake			:	x	1	- 1	1	A STATE OF THE STA	X	
five Point Reservoir				x	7	- in the second	3 18	41 °C	X.	
Fox Lake Reservoir				x	x,	į	ch-disagner,		×	
Governor's Lake			•	X;	X.	4	44	1111	- X 3	
GranddadJy lake			;	X	X,		- Part land	1	X	I
Jean Lake .	1			X .	X		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		X	I
Jordan Lake				4	X			1	X	İ
kidney take				X	7.	3			7.	l
Kidney Lale West	1		-	4	٨	,t	17.0	413	4	
Hidriew Reservoir		-	-	X	-	X-	1		±X.⊤	-
Hill Reservoir				X	X.		19		1, X 15,	
Hirror Lake				×	x		upp.		*	
Huhawk Lake				X	,	Local meta	A. S. S. S.	標	X	

	Carlo de la carlo	1.1			is c	CLAS	:		
CLASSIFICATION OF WATERS OF	THE STATE	DO:4ESTIC SOURCE		ESTHETICS		AQUATIC	WILDLIFE	:	AGR I CUL TURE
	2 24	10	2A	28	3A	38	30	30	4
LAKES AND RESERVOIRS (20 Acres or Large	er) (continued)		137	;		:	٠.		
DULHESHE COUNTY (continued)		Callenge L.							
Moon Late		X	/ <u>;</u>	X	X			·	·x
North star take				x '	X				x
reliands Lake		121		X	X				x
Pine Island Lake		1		x	X				X
Pinto Lake		榆		x	X				x
Pole Creek Lake		j* .!	•	X	×		•		X
Potter's Lake	· · · · · · · · · · · · · · · · · · ·	\$ 17. 3.74		X	x		ť	₹ .	X
Powerl Lake			1	X	X				X
fluesal take	region (77. 1. 15. 1		×	X				1
Reinbur Luke				X.	×				×
Red Creek Reservoi:	· State		:	×	×	1		-	*
Scout take	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			X	x				x
er of Spirit taxe			\$'7		×	1			X
Starvation Easervoir		T.			,	+	7	+	x:
Siperior Late			٠, ,	,	7	+	+	+	x
	137		1			- 1	- 1	1	

	7			IIC C				
CLASSIFICATION OF NATURS OF THE STATE	DOMESTIC SOURCE		AND ESTHETICS	3	_	WILDLIFE		AGRICUL TURE
LAKES Alla RESERVOIRS (20 Acres or Larger) (continued)	IE	2A	28	3A /	38	3. 3.	1.39	3 3.2 3.3
DUCHESHE COUNTY (continued)		-	-	 	and the second			
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EHERY COUNTY	,				4	神神	14/2	
Cleveland Reservoir			X	X.	· · · · · · · · · · · · · · · · · · ·	10.0	(4.0) (4.0)	X
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Lower Bowns Reservoir		•	X	X				x
North Creek Reservoir			X	X				x
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	Bear Lake (Utah portion)		X	X	x	ŀ	ŀ		X
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TO THE SERVICE SERVICE SERVICE

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Beaver Lake	<u> </u>			X	х	Air a			X	ŀ
Big Elk Reservoir	;			X	X			-	* X ,	
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China Lake		٠.	•	×	X	1	in Section		X	
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Clyde Lake	·	,		x	X.	ماجعت أرشد	4	17	X	
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Echo Reservair			: ·	X .	X'		(4g)	善家	X	
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Fish Reservoir				X	X		15.73		×	

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Haystack Reservoir #1		1	X	X				x.
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Hoop Lake		7. Tar. 19.	X	x			;	x
· Island take		in spirit	X	x				X
Island Reservoir		* y	X;	x				X
Jesson Lake		my mage =	x;	X.			14.14	X
-Kamas Lake	謂	C	Χ.	Х.				X
Lily Lake	響	A STATE OF	X ;	×	·			. X
Lost Reservoir		4	X ;	X				X
Lower Red Castle Lake		1	X :	X			•.	X
Marsh Lake			X	X				X
McPheters Lake		erien)	X	X	_			X
Meadow Reservoir		53	X.	X .				X
Notch Mountain Reservoir		Carrier I	' χ [''	X			_	X.
Ryder Lake		÷.	X	X				X

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CLASSIFICATION OF NATERS OF THE STATE	DOMESTIC SOURCE		ESTIETICS	A region of the second	ATIC	WICOLIFE		AGRICUL TURE
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LAKES AND RESERVOIRS (20 Acres or Larger) (continued)	3	1	.t	4 3 5 4 7 4	10	1	統	
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Sand Reservoir	:	14.	x	X.		30 th	4	Ž.
Scow Lake		a d'opportune	x	X.	*	事		X.
Smith Hoorehouse Reservoir	 :	dep #	X	X,	1	de residente	1	X
Star Lake	 ;		x	X	a area	The state of		X -
Tamarack Lake		1	X	X	法學樣	STATE OF	1 2 3	X
1 Trial Reservoir		•	X	X		1. Sup. 7	4	X
Upper Lyman Lake	 -	er dea	X	X (2)	14.	at Specialis	+	X
Upper Red Castle Lake			x ;	X .	· · · · · · · · · · · · · · · · · · ·	**		×
Wall Lake Reservoir			X ;	X	· je	A. C. C.	神神	X
Wanship Reservoir			X	X	1	語作		X
Hashington Reservoir	;		X	x ·	17 T			X
Whitney Reservoir	,		X ·	X	· " "	14. tr	17.77	X
100EFE CONHIA		,		1.4	1	海	6 123 Sec. 1	河
Blue take		,	X	X	4 to 1	1882	行用	X
Clear Lake			X	X		45	2 35 to 1.	X.A.

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LAKES AND RESERVOIRS (20 Acres or Larger) (continued)	1.2				Ŀ			
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Horseshoe Lake	教室		X , ,		X			X
Kanaka Lake		3	X		. X	1		X
Settlement Canyon Reservoir		31 Å. 32 4	, X	X.		i		X
UINTAH COUNTY	杉	2. 15 cm	* : :				:	
Brough Reservoir			X	X	<u>.</u>		· 	X
Calder Reservoir		704	X	X			:	X
Crouse Reservoir		野土	X	X	1	***		X
East Park Reservoir		-	X	X			,	X
Fish Lake		1	X	X	;		· ·	X
Goose Lake 12			X	X	î.	7		X
Oaks Park Reservoir		4 and 400	X	X				X
Paradisc Park Reservoir		神神	X	X	1	í	į	X
Pelican Lake		1.35	X		X			. X
Steinaker Reservoir	製	1333	X	x				X
Towave Reservoir		2	X	X				X

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CLASSIFICATION OF WATERS OF THE STATE		RECREATION AND ESTHETICS						11 TO 12	
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LAKES AND RESERVOIRS (20 Acres or Larger) (continued)					7.		1		
UINTAH COUNTY (continued)				,		- 14 J	840	12.	
Meaver Reservoir			X	4	-	12.15	1.86	X S	
Whiterocks Lake	1		X	X	,			X	
Workman Lake			X	X		1.0	Ġ.	X	
UTAH COUNTY				_		<i>7</i> .	10.1		
Silver Flat Lake Reservoir			x	x		1	- No.	X	
Utah Lake			X		×	-5.5 -1.	X	X.	
WASATCH COUNTY					÷ .	(P)	於這		
Deer Creek Reservoir	x	-	x	x	*	1.35	Di S	X	
Strawberry Reservoir	×		X	x	1		17.23	x .	
MASHI:IGTON COUNTY				_	14.		2.7		
Baker Reservoir	T		X	x	-	1	27	X	
Gunlock Reservoir	X		1		×	12.02		X	
Ivan's Pond	T	-	x		X	137		Xá	
Kolob Reservoir	1	_	×	×	;	10.7		1 X ,	
Lower Enterprise Reservoir			X	X	1		1.3		

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MASHINGTON COUNTY (contin		3 7 11		***						
Upper Enterprise Rese	r voir	344			X	X				X
MAYNE COUNTY		-3.1#			3					
Blind Lake		方體	de not	:16* :45	'X :	X				X
Donkey Reservoir				4. 16	X	X				x
Fish Creek Reservoir	4.	いが構		1. A. S.	χ 34	X				X
WEBER COUNTY	şa :		製	.h.,	(4) (4) (5)	**				
Causey Reservoir	3 34	: 本語	200	A. 1.	X	X				X
Pineview Reservoir	惧 建装	3	b X	8.38.3	ī,X	x				×
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GREAT SALT LAKE (CLASS 6) BOX	Elder, Davis, S ele and Weber Co	alt Lake,		S. P. Com						
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APPENDIX C

ANTI-DEGRADATION SEGMENTS

In addition to assigned use classes, the following surface waters of the State are hereby designated as anti-degradation segments:

- Logan River and tributaries, from lower U.S. National Forest boundary near mouth of Logan Canyon to headwaters
- Blacksmith Fork and tributaries, from lower U.S. National Forest boundary near mouth of Blacksmith Fork Canyon to headwaters (Cache County)
- Burch Creek and tributaries, from Harrison Boulevard in Ogden to headwaters
- Spring Creek and tributaries, from U.S. National Forest boundary to headwaters (Weber County)
- Holmes Creek and tributaries, from Highway US-89 to headwaters (Davis County)
- Farmington Creek and tributaries, from Height Bench Canal diversion to headwaters (Davis County)
- Shepard Creek and tributaries, from Height Bench diversion to headwaters (Davis County)
- Steed Creek and tributaries, from Highway US-89 to headwaters (Davis County)
- Stone Creek and tributaries, from U.S. National Forest boundary to headwaters (Davis County)
- City Creek and tributaries, from City Creek Water Treatment Plant to headwaters (Salt Lake County)
- Emigration Creek and tributaries, from Hogle Zoo to headwaters (Salt Lake County)
- Red Butte Creek and tributaries, from Foothill Boulevard in Salt Lake City to headwaters
- Parley's Creek and tributaries, from 13th East in Salt Lake City to headwaters
- Mill Creek and tributaries, from Wasatch Boulevard in Salt Lake City to headwaters
- Big Cottonwood Creek and tributaries, from Wasatch Boulevard in Salt Lake City to headwaters
- Little Cottonwood Creek and tributaries, from Metropolitan Water Treatment Plant lower diversion to headwaters (Salt Lake County)

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APPENDIX C

ANTI-DEGRADATION SEGMENTS (continued)

- Little Willow Creek and tributaries, from U.S. National Forest boundary to headwaters (Salt Lake County)
- Bell Canyon Creek and tributaries, from Lower Bells Canyon Reservoir to headwaters (Salt Lake County)
- South Fork of Dry Creek and tributaries, from Draper Irrigation Company diversion to headwaters (Salt Lake County)
- Upper Falls drainage above Provo City diversion (Utah County)
- Bridal Veil Falls drainage above Provo City diversion (Utah County)
- Lost Creek and tributaries, above Provo City diversion (Utah County)
- East Fork of Sevier River and tributaries, from Tropic diversion to headwaters
- Calf Creek and tributaries, from confluence with Escalante River to headwaters
- Sand Creek and tributaries, from confluence with Escalante River to headwaters
- Mamie Creek and tributaries, from confluence with Escalante River to headwaters
- Deer Creek and tributaries, from confluence with Boulder Creek to headwaters (Garfield County)
- Clear Creek and tributaries, from state line to headwaters (Box Elder County)
- All surface waters geographically located within the outer boundaries of U.S. National Forests whether on public or private lands
- All surface waters on Public land on the Deep Creek Mountains

APPENDIX D

Numerical standards for protection of Class 3C water use in Table D-1 apply only to the segments listed below:

- Kanab Creek and tributaries, from state line to irrigation diversion at confluence with Reservoir Canyon
- Paria River and tributaries, from state line to headwaters
- Dirty Devil River and tributaries, from Lake Powell to confluence with Fremont River
- Fremont River and tributaries, from confluence with Muddy River to Capitol Reef National Park
- Muddy River and tributaries, from confluence with Fremont River to Highway U-10 crossing
- Dolores River and tributaries, from confluence with Colorado River to state line
- San Rafael River and tributaries, from confluence with Green River to confluence with Ferron Creek
- Price River and tributaries, from confluence with Green River to Castle Gate below Price City Water Treatment Plant intake
- White River and tributaries, from confluence with Green River to state line
- Virgin River and tributaries, from state line to headwaters except as listed in APPENDIX B
- Malad River and tributaries, from confluence with Bear River to state line
- Jordan River, from Farmington Bay to North Temple Street in Salt Lake City
- Weber River, from Great Salt Lake to Slaterville diversion

APPENDIX D

TABLE D-1

NUMERICAL STANDARDS FOR PROTECTION OF CLASS 3C WATER USE

Physical Minimum D.O. (mg/l) Maximum Temperature Maximum Temperature Change pH Turbidity Increase (NTU)	5* 27°C** 4°C 6.5-9.0 15****
Chemical (Maximum mg/l) Cadmium, dissolved Chromium, dissolved Copper, dissolved Cyanide Iron, dissolved Lead, dissolved Mercury, total Phenol Selenium, dissolved Silver, dissolved Zinc, dissolved Chlorine H2S	0.004 0.1 0.01 0.005 1.0 0.05 0.0005 0.01 0.05 0.01 0.05 0.2 0.02
Radiological (Maximum pCi/l) Gross Alpha Gross Beta	15 30
Pesticides (Maximum mg/l) Endrin Lindane Methoxychlor Toxaphene	0.004 0.01 0.03 0.005
Pollution Indicators*** BOD (mg/1) NO ₃ as N (mg/1)	5.0 4.0

^{*}Minimum D.O. (mg/l) limitation is 4 in the following segments:
San Rafael River and tributaries, from confluence with Green River to confluence with Ferron Creek

Malad River and tributaries, from confluence with Bear River to state line

^{**}Maximum temperature limitation is 35°C in the following segments:

Virgin River and tributaries from state line to headwaters except as listed in APPENDIX B

^{***}Investigations should be conducted to develop more information where these pollution indicator levels are exceeded

^{****}At background levels of 150 NTU's or greater, a 10% increase limit will be used instead of the numeric values. Short term variances may be considered on a case-by-case basis